

Fig. 1
Prior Art

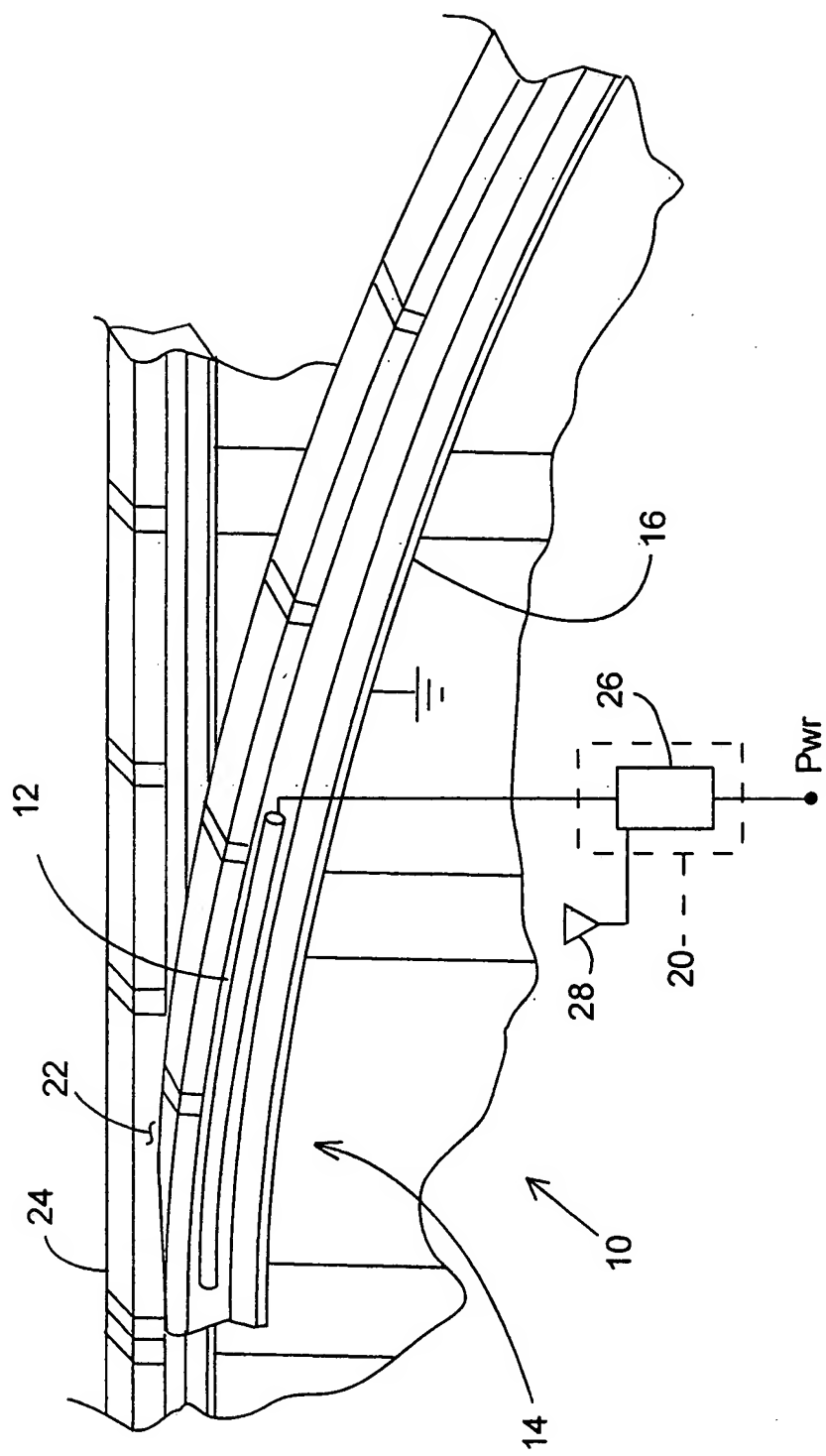


Fig. 2

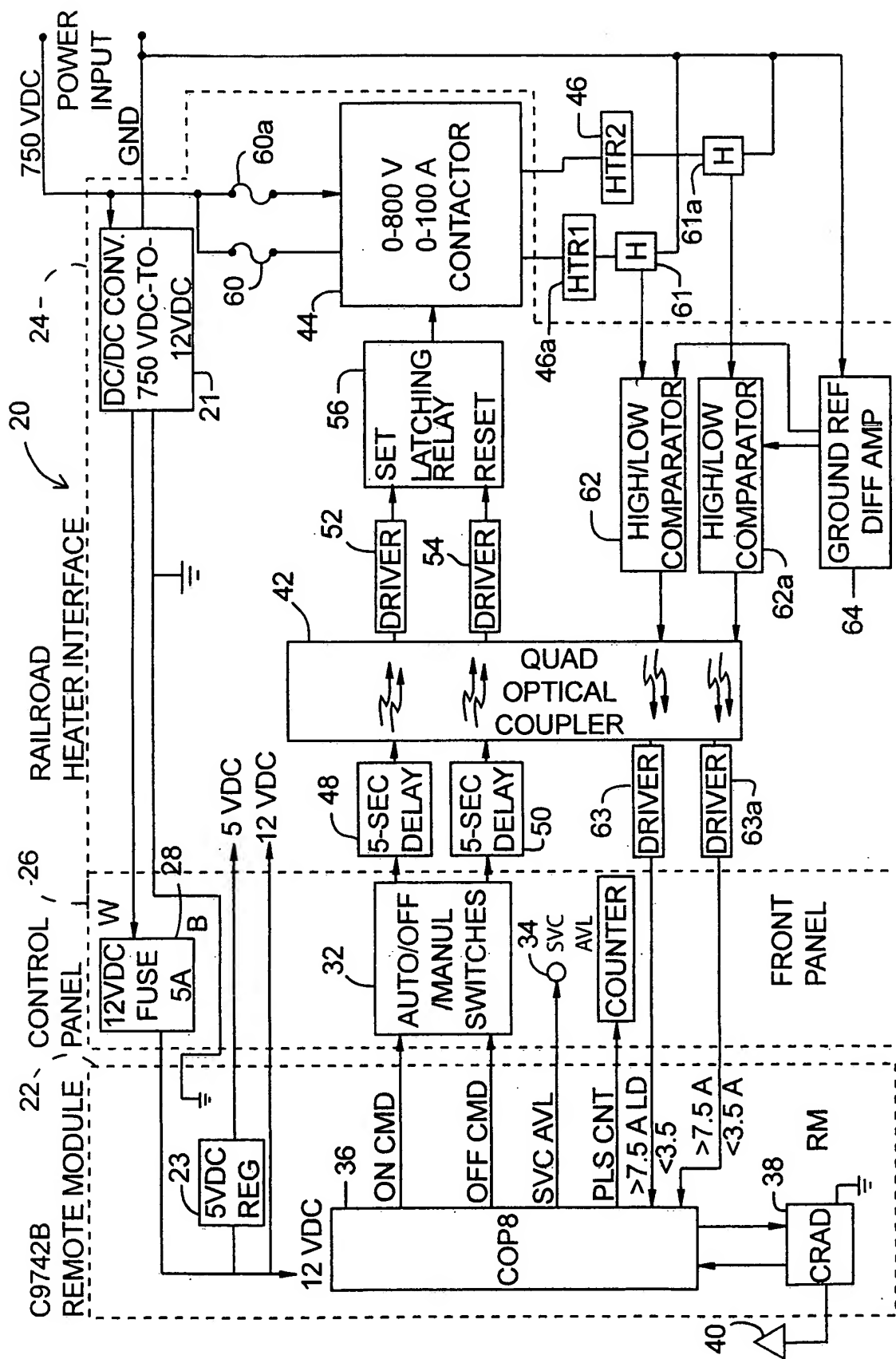


Fig. 3

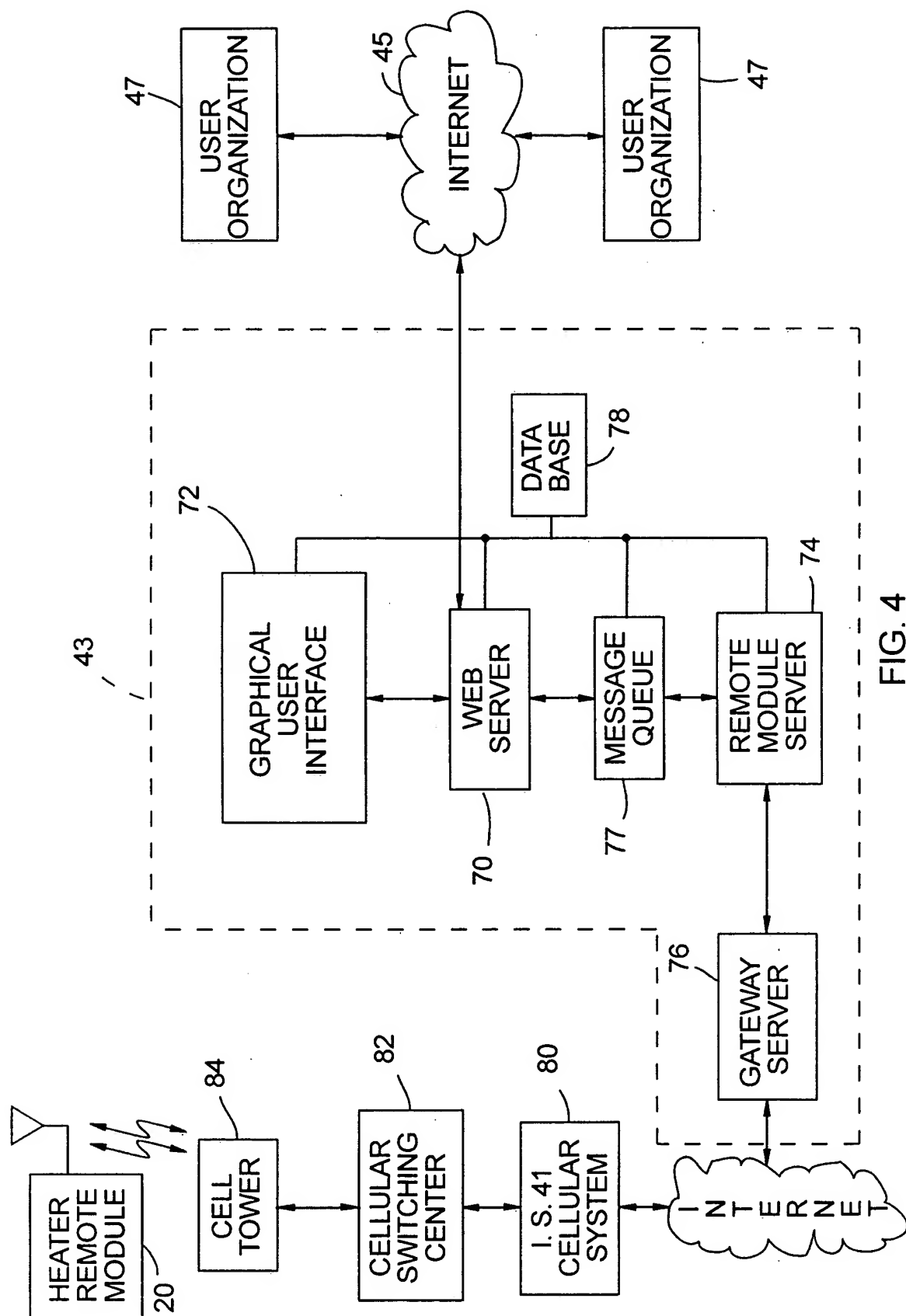


FIG. 4

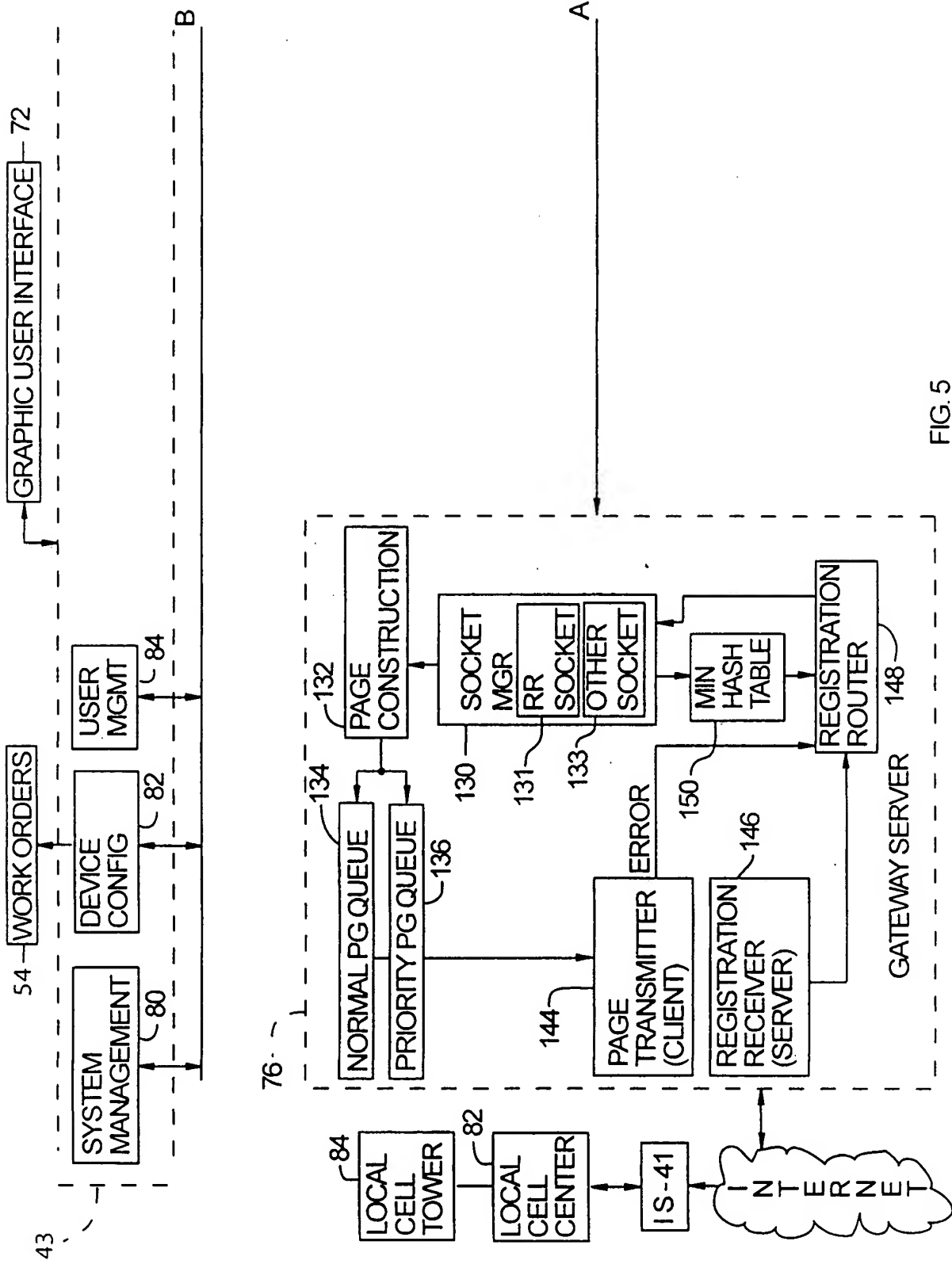


FIG. 5

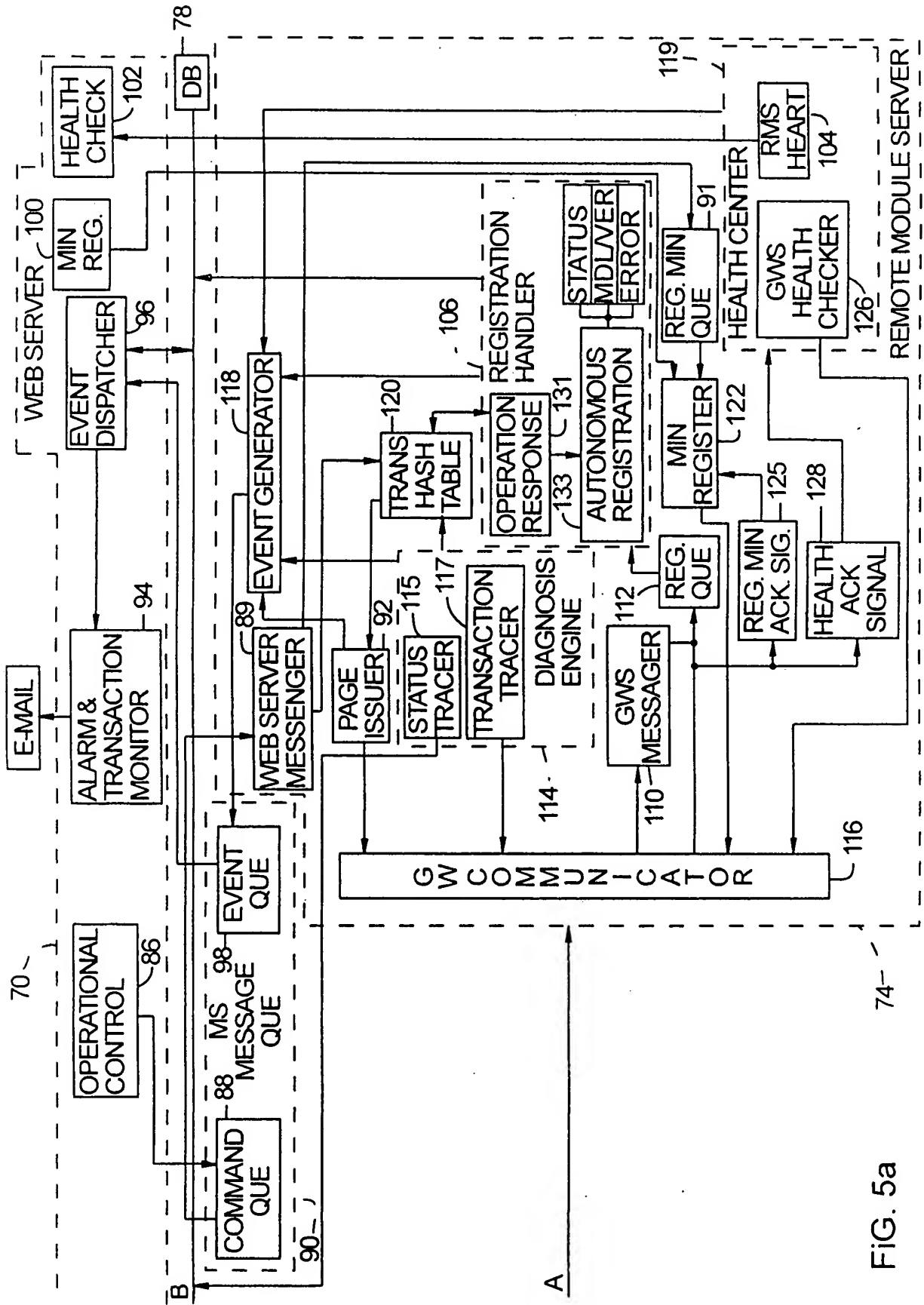


FIG. 5a

<div>Main Menu</div>		<div>Welcome Jade Sign Out</div>	
<div>Configuration</div>			
<div>Yard Configuration</div>			
<div>Melter Configuration</div>			
<div>Control & Monitor</div>			
<div>User Account</div>			
<div>Change My Password</div>			

Fig. 6

Yard Configuration

Check All

Yard ID Yard Name GroupMin # Location LocaleID Melters

Edit ☐

Edit ☐

Edit ☐

01 35-07844579 1391049667 Edision Line 3# Locale1 Melters Control

02 35-07844580 1391049668 Edision Line 5# Locale2 Melters Control

02 35-07844934 1391049669 Edision Line 8# Locale1 Melters Control

Add Yard

Delete Yard

Main Menu

Welcome Jade Sign Out

Fig. 6a

Add Yard

Yard Name

Group Min #

Location

Emergency Email

Locale

Save Yard

Save & Add Another

Cancel

Main Menu

Welcome Jade Sign Out

Fig. 6c

<div>Add Melter</div>		Yard Name <div>XXXXXX</div>		<div>Main Menu</div> <div>Welcome Jade Sign Out</div>	
Melter #	<div></div>	RM Min#	<div></div>		
Melter Serial #	<div></div>	RM Serial #	<div></div>		
Description	<div></div>				
<div>Status Setting<div><div><input type="radio"/> Activate</div><div><input type="radio"/> Deactivate</div></div></div>					
<div>Save Melter</div>		<div>Save & Add Another</div>		<div>Cancel</div>	

Fig. 6d

<div>Main Control</div>	<div>Main Menu</div> <div>Welcome Jade Sign Out</div>
Please Select Yard	
<div>Yard 1</div> <div>Yard 2</div> <div>Yard 3</div> <div>Yard 4</div>	

Fig. 6e

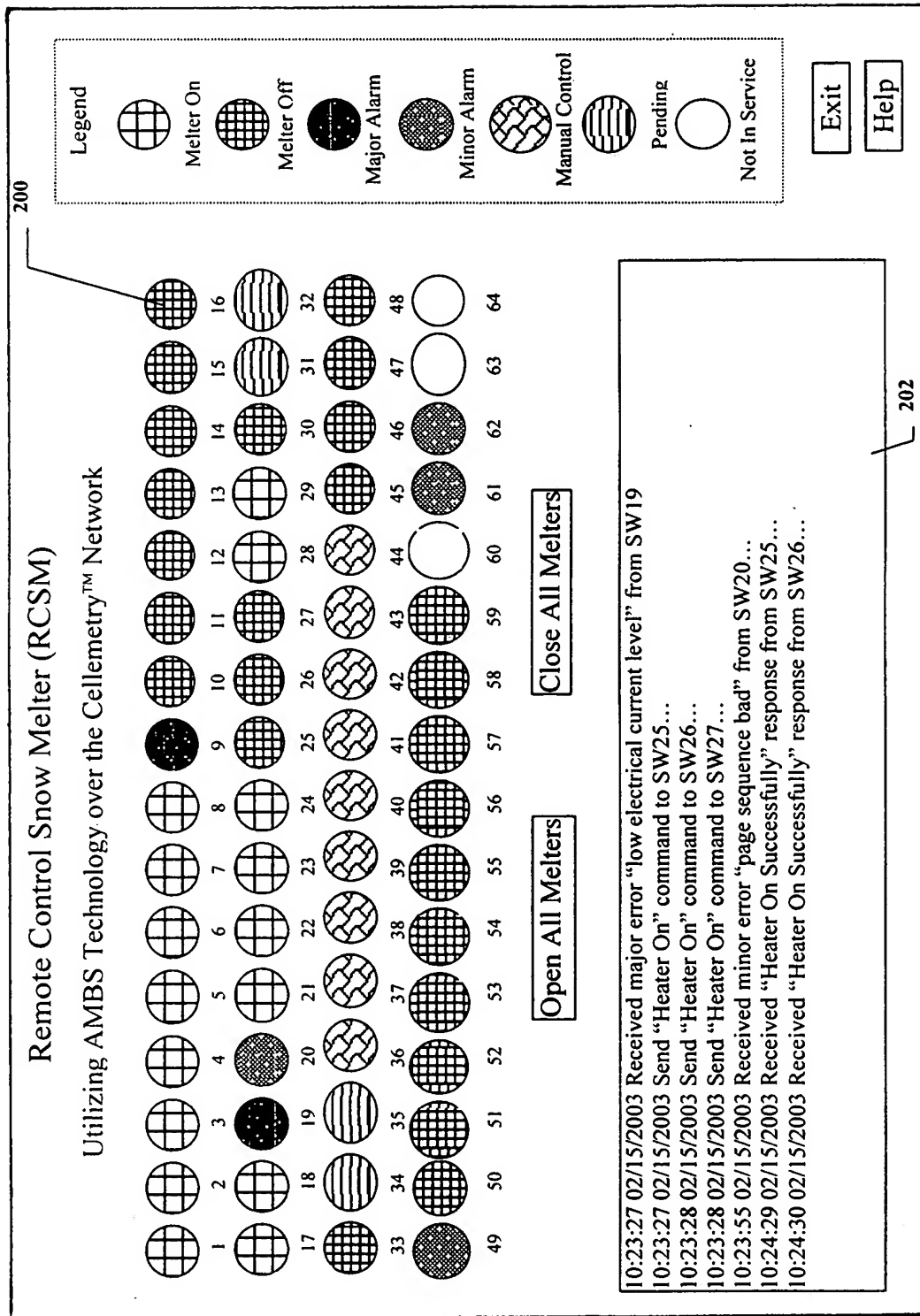
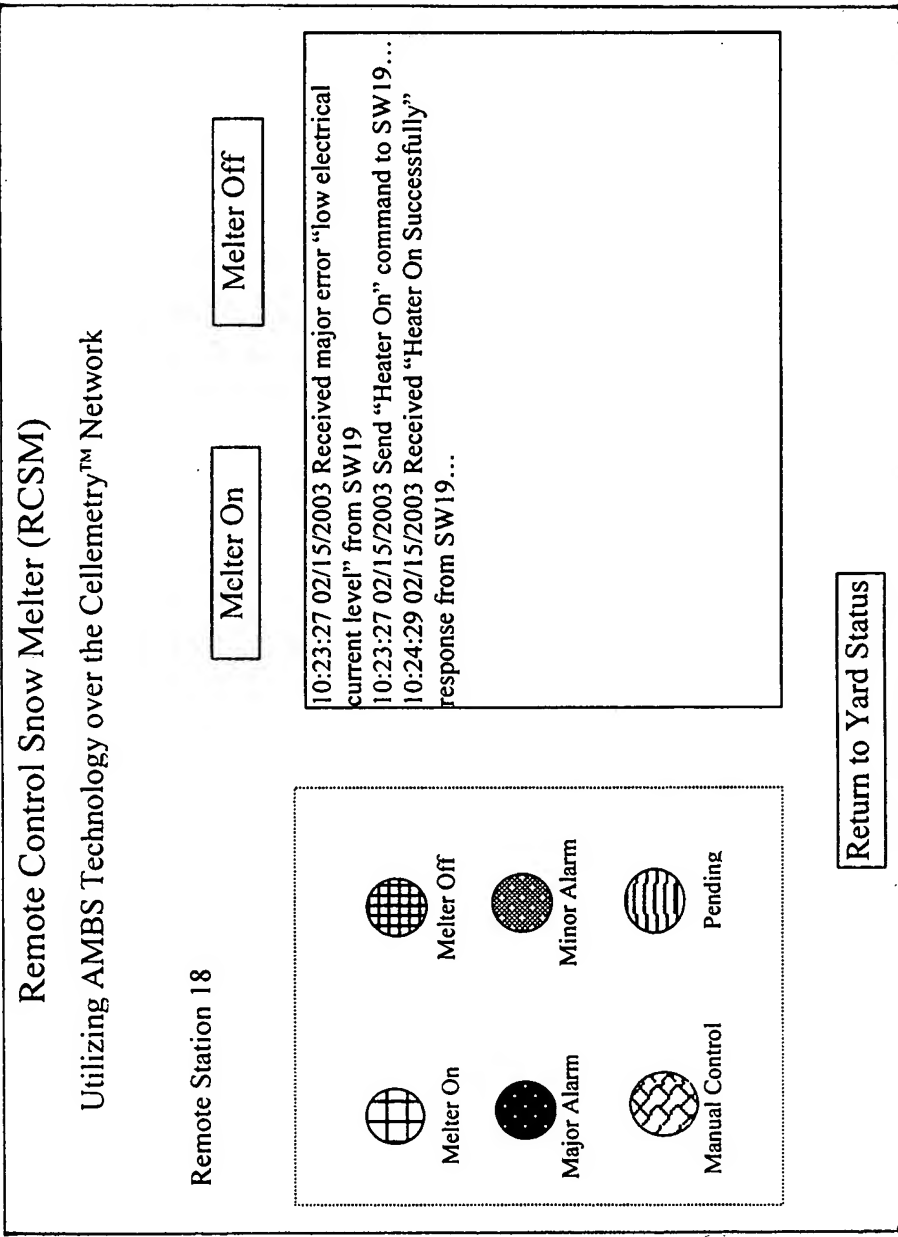


FIG. 7



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Remote Control Snow Melter (RCSM)
Utilizing AMBS Technology over the Cellemetry Network

Remote Station 18

○

Melter On

○

Melter Off

Melter On

Melter Off

21:05:55 02/15/2003 Send "Melter On"
command to Melter18 ...
21:09:54 02/15/2003 Receive "Melter On
Successfully" Response From Melter18

×

Major Fault

20:23:27 02/15/2003
low electrical current level !

OK

206

Return to Yard Status

Fig. 7b

	User Name	Full Name	Department	Privilege	Phone	Address	Zip/Postal
Edit <input type="checkbox"/>	Tom	NJ Transport Admin	Admin	7323814203			Y
Edit <input type="checkbox"/>	Mike	NJ Transport Admin	Admin				N
Edit <input type="checkbox"/>	George	NJ Transport Operator	Operator				Y

Add User Account	Delete User Account	Disable Password
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Fig. 7c

<div>User account</div>		<div>Main User Account Menu</div>	
		<div>Main Menu</div>	
		<div>Welcome Jade Sign Out</div>	
User Name		Phone	
Full Name		Department	
E-mail			
Address		Zip/Postal	
Privilege Setting			
<div><input type="radio"/> Administrator</div>		<div><input type="radio"/> Operator</div>	
<div>Save Account</div>		<div>Save & Add Another</div>	
		<div>Cancel</div>	

Fig. 7d

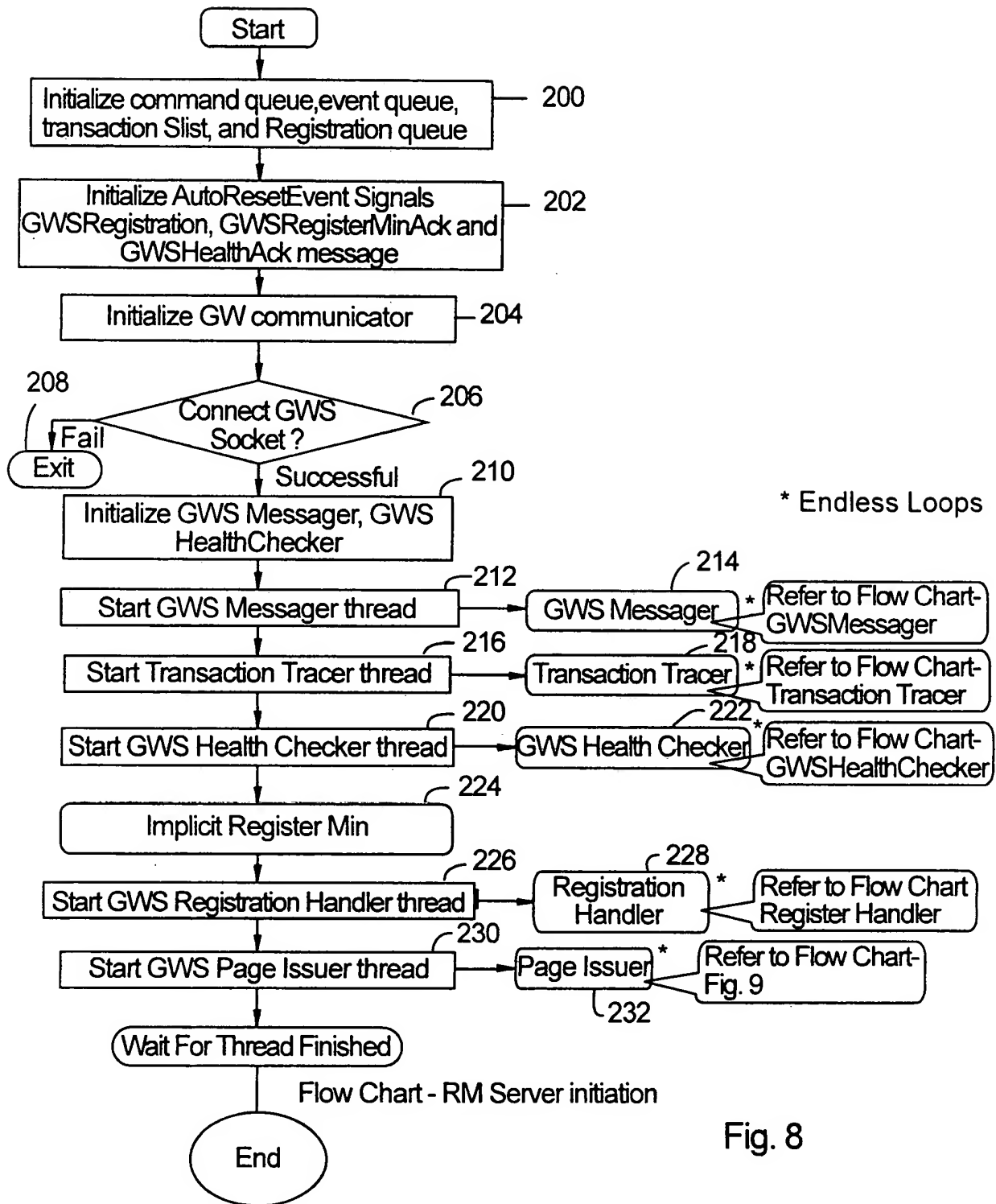


Fig. 8

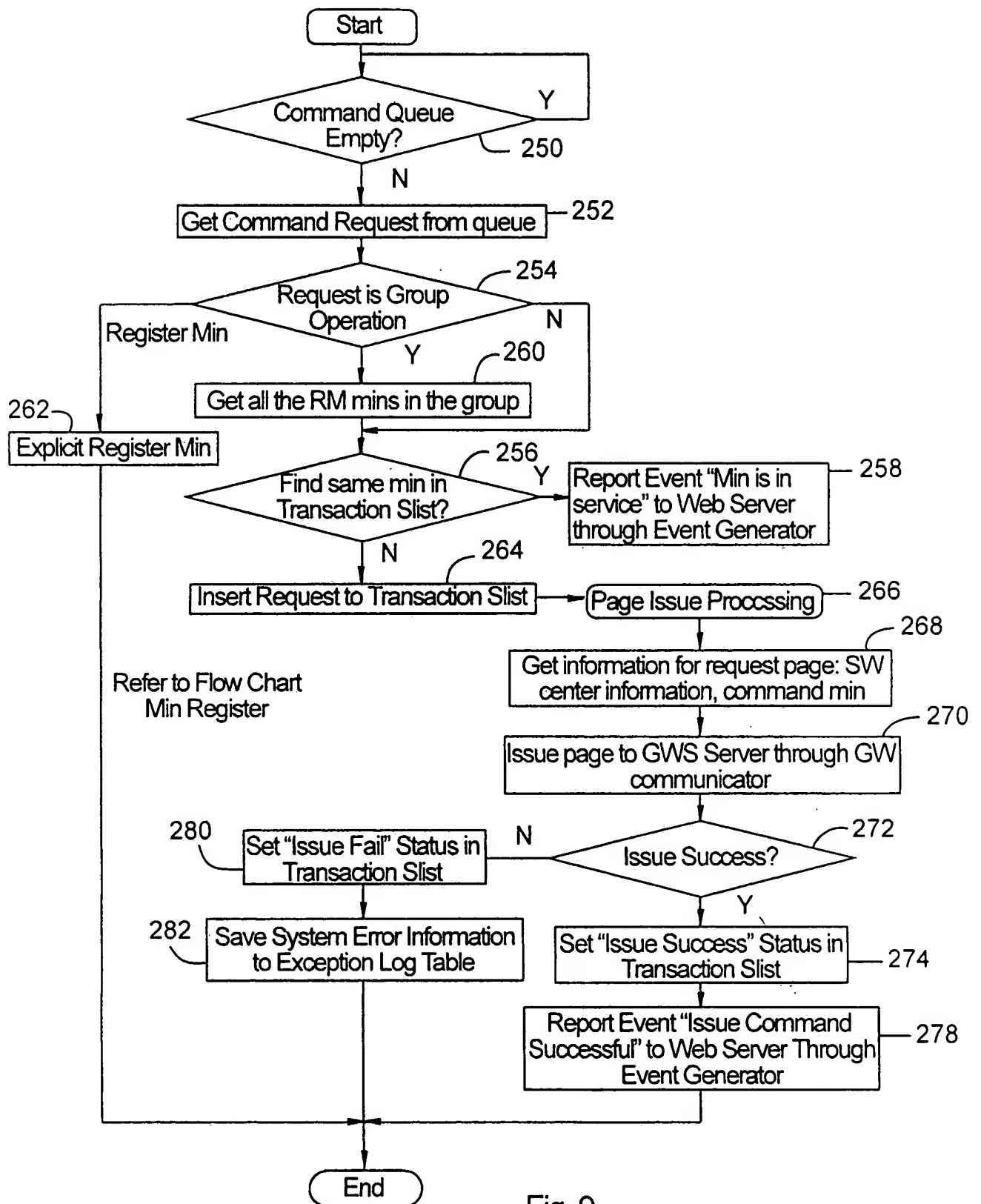


Fig. 9

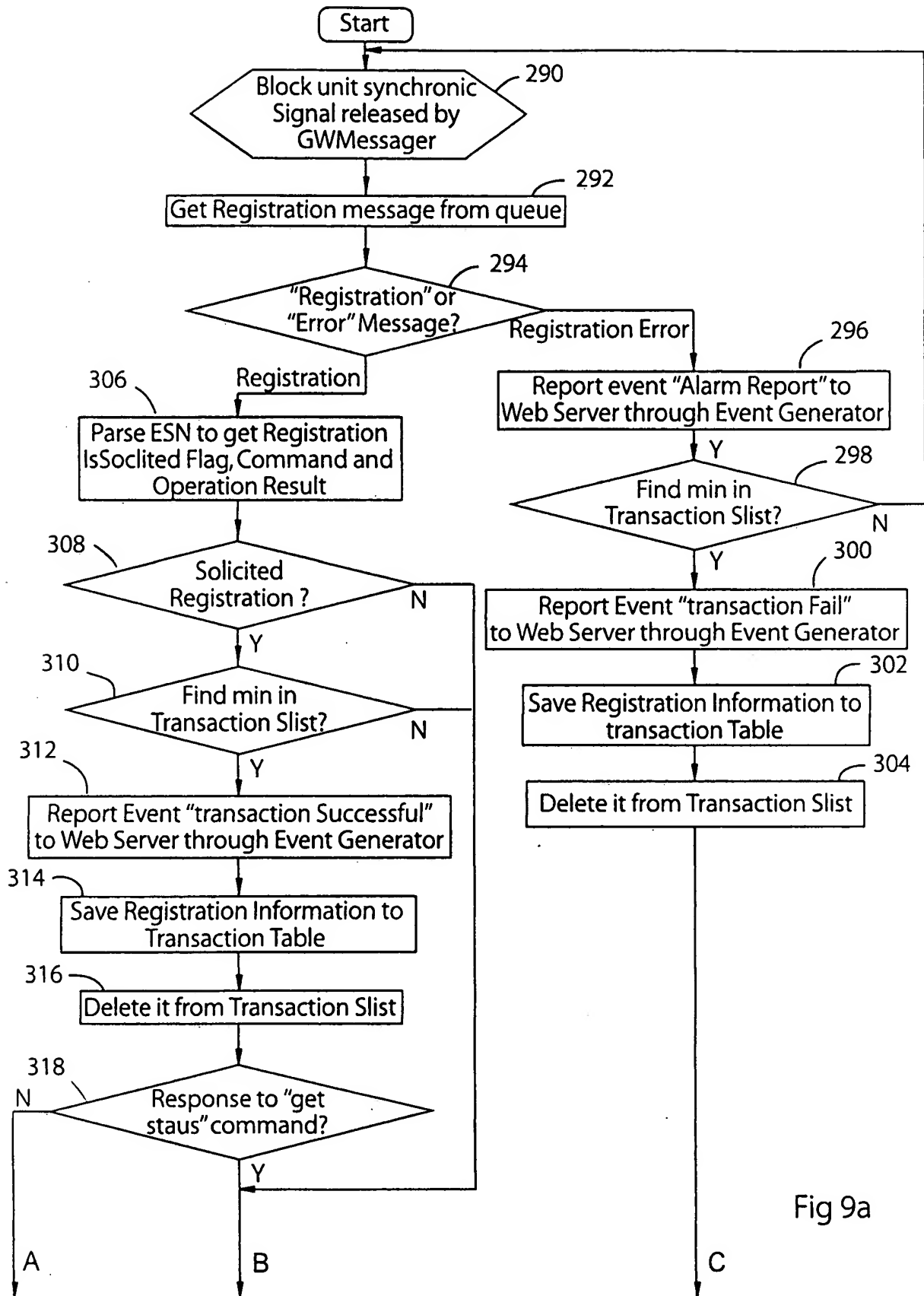


Fig 9a

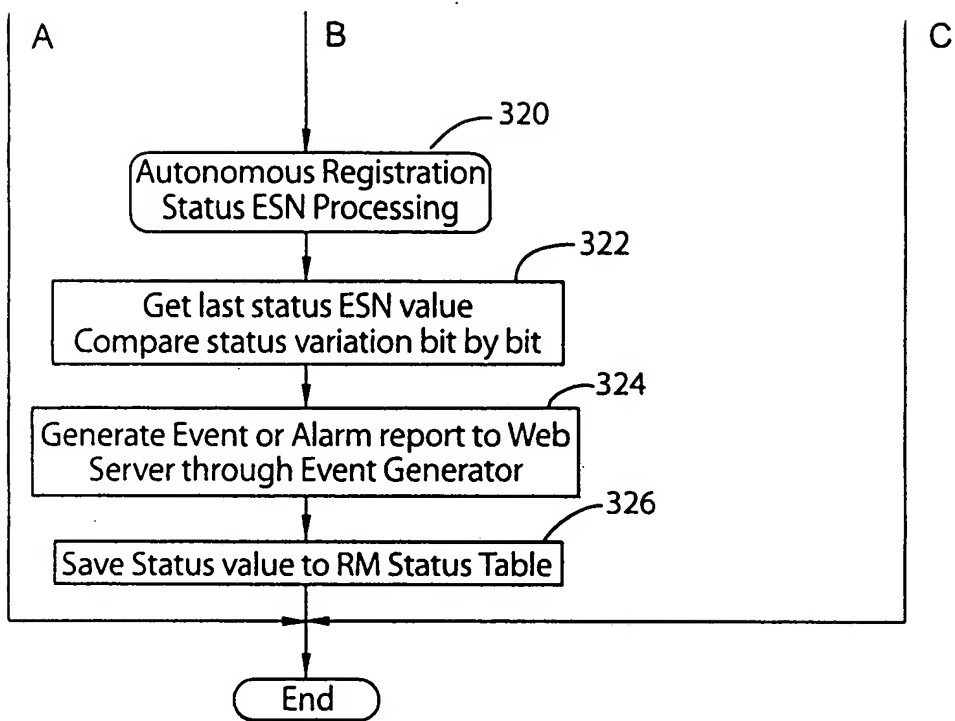


Fig. 9aa

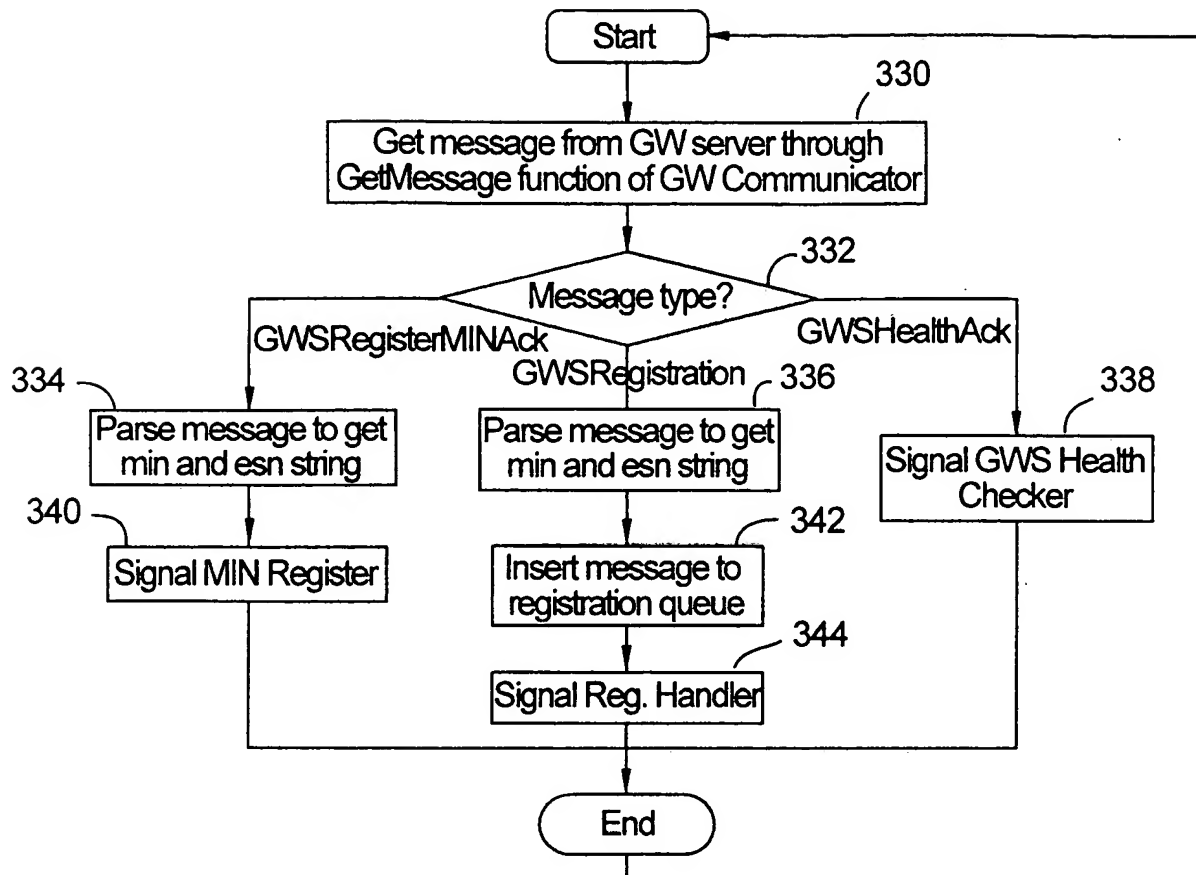


Fig. 9b

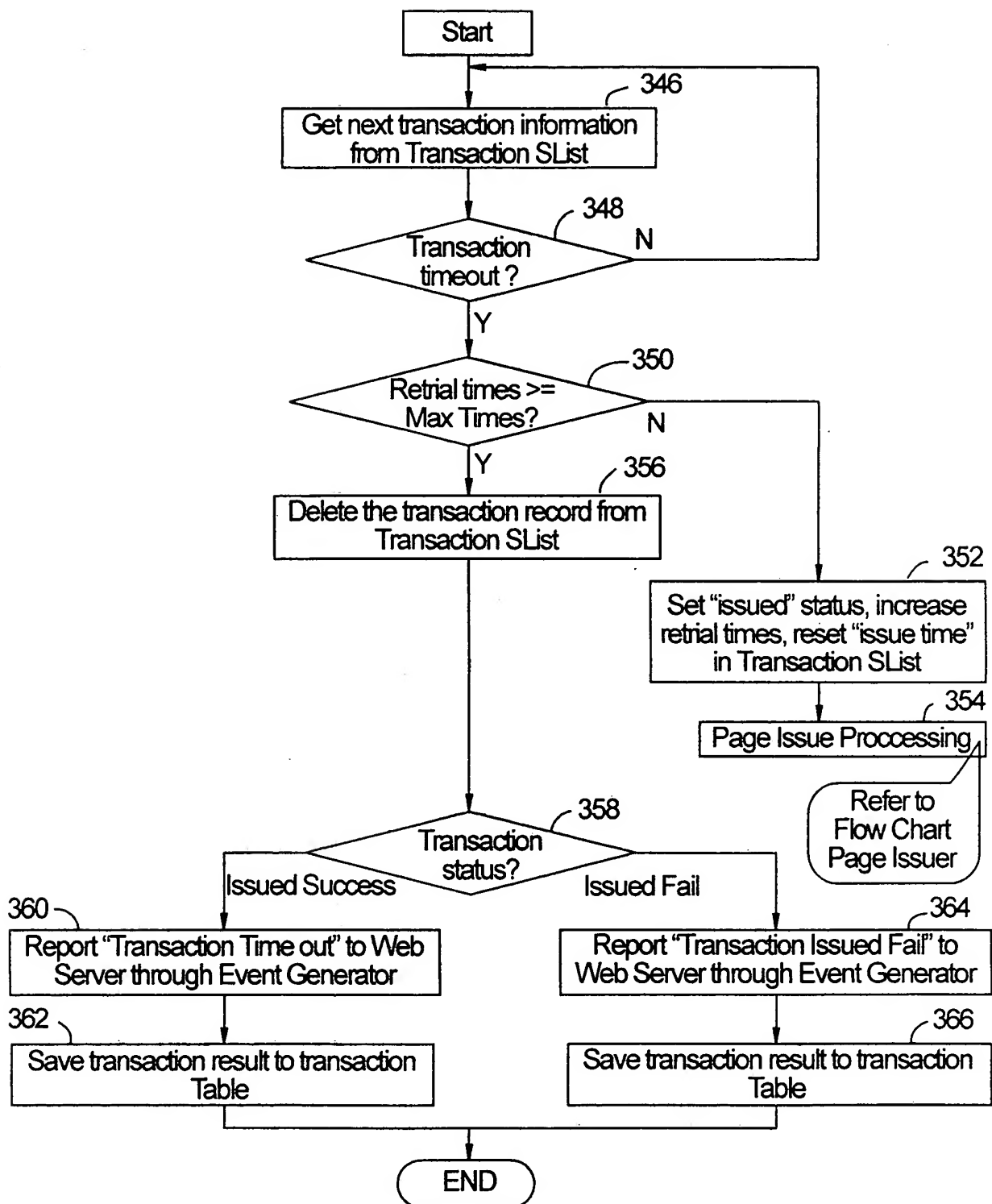


Fig. 9c

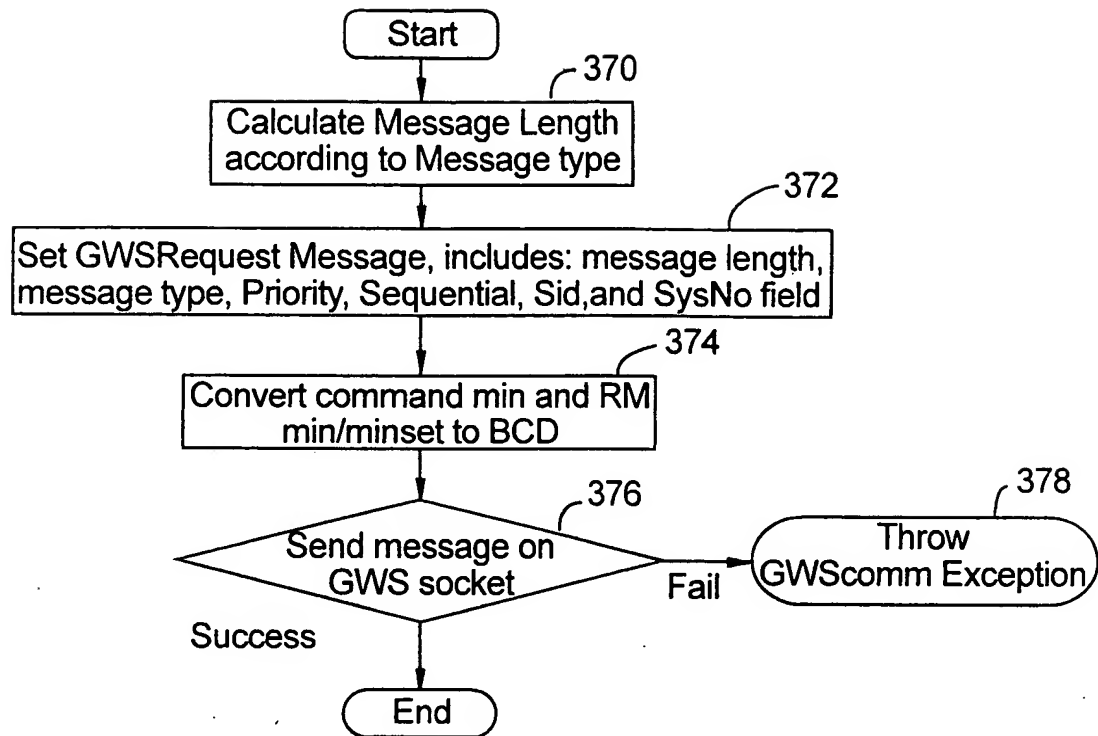


Fig. 9d

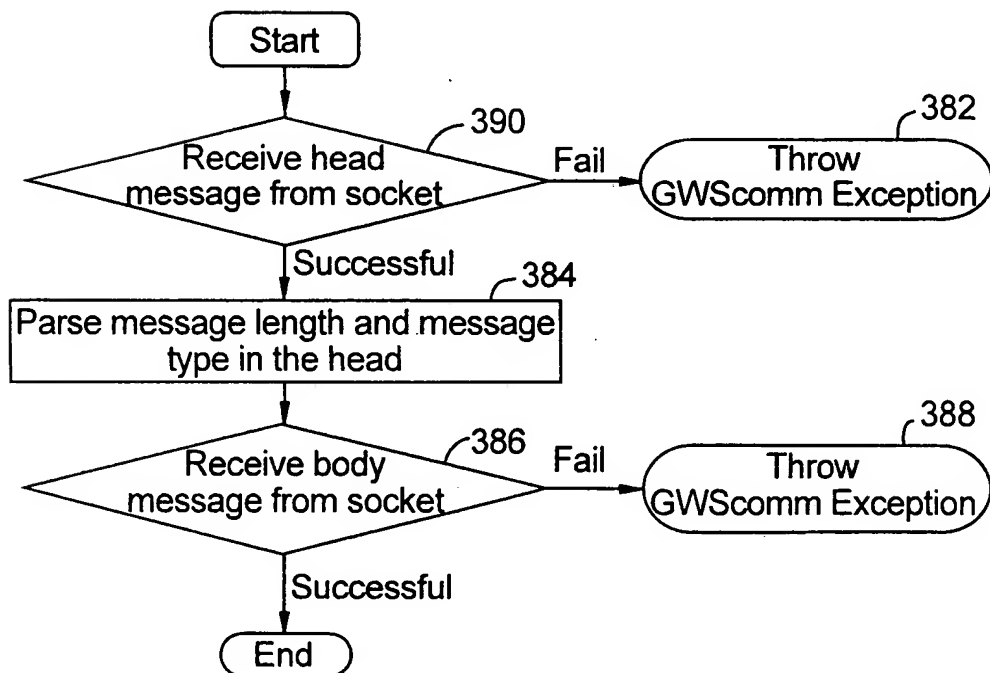


Fig. 9e

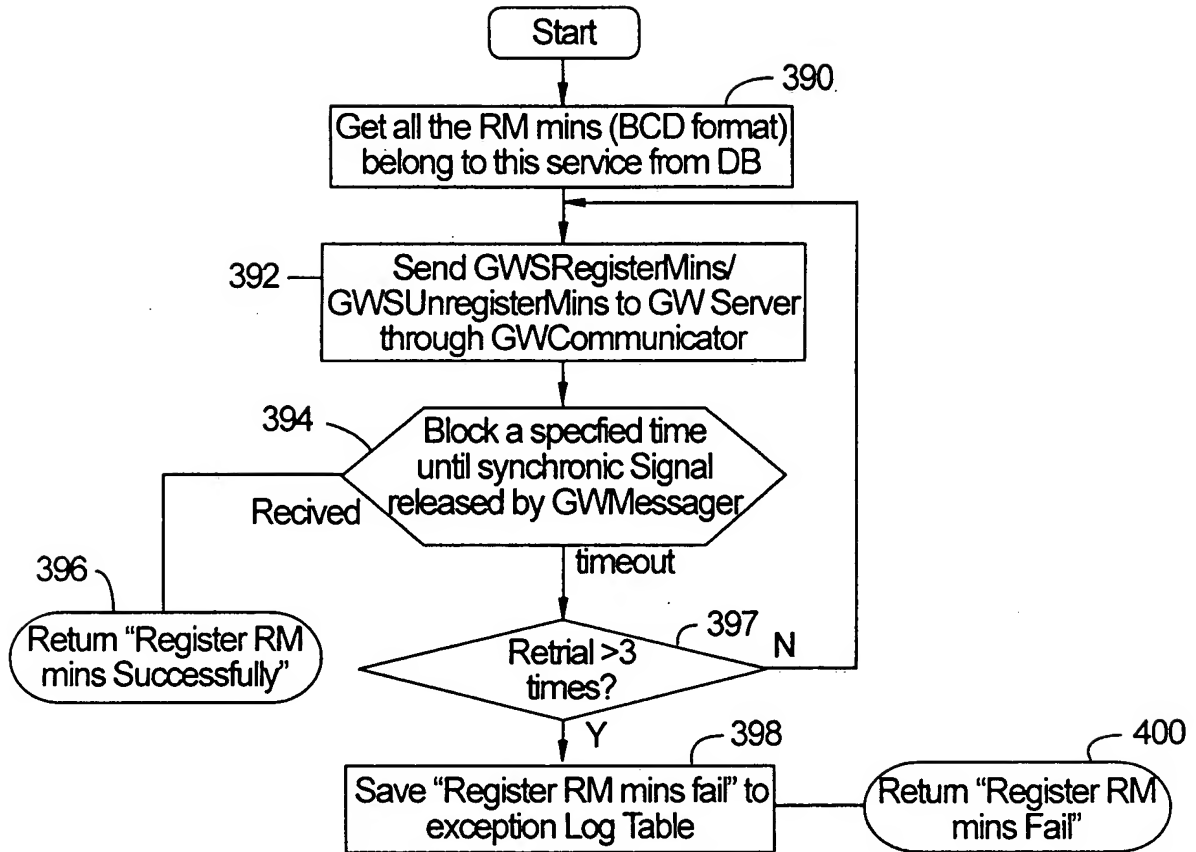


Fig. 9f

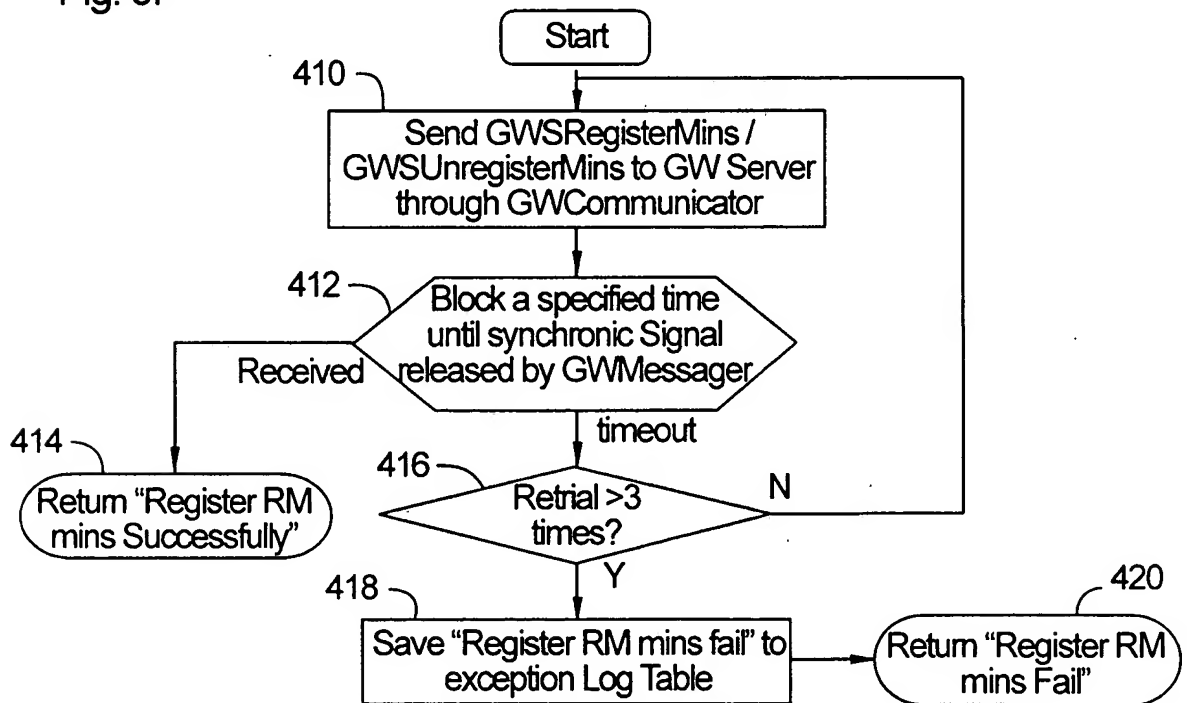


Fig. 9g

Flow Chart -Explicit Register Min Object